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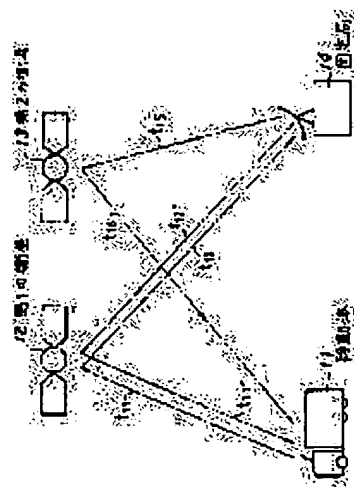
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(54) TRANSMISSION SYSTEM

(57)Abstract:

PURPOSE: To enable position measurement with a simple constitution of transmission system by receiving and responding at a moving station to the primary basic signal via a first satellite and the secondary basic signal via a second satellite which are output from a fixed station in accordance with the signal of starting position measurement sent from the moving station via the first satellite.

CONSTITUTION: When a signal of starting position measurement sent from a moving body 11 in a moving station is received via a first stationary satellite 12, a fixed station 14 sends primary and secondary basic signals via the first and the second stationary satellites 12, 13, respectively. The timings of both basic signals from the moving body 11 are received at the fixed station 14 via the satellite 12 and then the position of the moving body 11 is measured from the timings at the fixed station. The moving body needs to carry only a single channel transmitter and the satellite relaying the transmission from the moving body uses only one channel for the simple transmission system constitution to measure the position.



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